BRUHATH BANGALORE MAHANAGARA PALIKE

Name of The Work: Remodeling of SWD and its allied works in Critical Low Lying Area (Flood Prone Area) at Bhadrappa Layout, Nagashettihalli, Sanjaya Nagara in Yelahanka Zone, (ECV Rs 156.57 Lakhs) (Ch: Ch:747.60m to 920.00m)

Pre-Measurements

Item No	Description	Unit	No.	L	B	D	Qty.
4	Diversion of water course by providing Coffer dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc., including all lead and lift etc., complete as per the directions of Engineer in charge of work.						
	Date of Recording : 23/7/2014						
	From Ch:747.60m to 777.60m	Cum	1	30.00	(1.40+1.90)/2	(1.70+1.80)/2	86.62
	From Ch:777.60m to 807.60m		1	30.00	(1.45+1.95)/2	(1.70+1.85)/2	90.52
	From Ch: 807.60m to 837.60m		1	30.00	(1.50+1.95)/2	(1.75+1.85)/2	93.15
	From Ch:837.60m to 867.60m		1	30.00	(1.50+2.00)/2	(1.75+1.85)/2	94.50
	From Ch:867.60m to 897.60m		1	30.00	(1.50+2.05)/2	(1.85+1.90)/2	99.84
	From Ch:897.60m to 920.00m		1	22.40	(1.50+2.05)/2	(1.85+1.90)/2	74.55
						Total Qty	539.18

AE/SWD/YZ
23/7/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ವೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
El 1	Dismantling of existing structures like culverts bridges retaining walls and other structure comprising of masonry cement concrete wood work steel work including T & P and scaffolding wherever necessary sorting the dismantled material disposal of unserviceable material and stacking the serviceable material with all lifts and leac of 1000 metres complete as per specification i) Lime/Cement concrete I.By Manual means A. Lime/Cement Concrete I By Manual means : B cement concrete Grade M-15 & M-20						
	Measurement Cartd. on : 24/7/2014, 26/7/2014, 30/7/2014						
	RCC Slab Ch: 772.00m to 920.00m	Cum	1	142.00	3.70	0.25	131.35
		Cum				Total Qty	131.35

AW AEE CWD/42 30/7/2014

ಸಹಾಯಕ ಅಯುಕ್ತರಾಲಯ ಅಧಿಕಾರಿಗಳು
ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
5	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work including T & P and scaffolding wherever necessary sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specification iii) Dismantling Stone Masonry. B.Rubble Stone masonry in cement mortar						
	Measurement Contd. on : 24/7/2014, 28/7/2014, 31/7/2014						
	From Ch:747.60m to 777.60m	Cum	2	30.00	(0.45+0.60)/2	1.00	31.50
	From Ch:777.60m to 807.60m		2	30.00	(0.45+0.60)/2	1.00	31.50
	From Ch: 807.60m to 837.60m		2	30.00	(0.45+0.60)/2	1.00	31.50
	From Ch 837.60m to 867.60m		2	30.00	(0.45+0.60)/2	1.00	31.50
	From Ch 867.60m to 897.60m		2	30.00	(0.45+0.60)/2	1.00	31.50
	From Ch:897.60m to 920.00m		2	22.40	(0.45+0.60)/2	1.00	23.52
						Total Qty	181.02

AE/SWD/42
31/7/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಒಳಚರಂಡಿ ನಿರ್ವಹಣಾ ಉಪ ವಿಭಾಗ,
ಮಲಪಟ್ಟಣ ವಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
2	Earth work in excavation for foundation of structures as per drawing and technica specifications including setting out construction of shoring and bracing, removal of stumps and other deleterious matter dressing of sides and bottom and backfilling with aproved materia complete as per specifications. "V. Marshy soil - A Manual Means upto 3 m depth MORTH						
	Measurement Contd on 26/7/2014 & 29/7/2014						
	From Ch:747.60m to 777.60m	Cum	1	30.00	3.60	(0.60+0.70)/2	70.20
	From Ch:777.60m to 807.60m		1	30.00	3.60	(0.65+0.70)/2	72.90
	From Ch: 807.60m to 837.60m		1	30.00	(3.60+3.65)/2	(0.65+0.70)/2	73.40
	From Ch:837.60m to 867.60m		1	30.00	(3.65+3.70)/2	(0.65+0.70)/2	74.41
	From Ch:867.60m to 897.60m		1	30.00	3.70	(0.65+0.70)/2	74.92
	From Ch:897.60m to 920.00m		1	22.40	3.70	(0.65+0.70)/2	55.94
						Total Qty	421.77

AEE SWD/YZ
29/7/14

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
6a	Earth work in excavation for foundation of structures as per drawing and technical specifications including setting out, construction of shoring and bracing removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications. B Mechanical Means (i) Depth upto 3 m MORTH Specification No.Section 304						
	Measurement Contd on 28/7/2014, 2/8/14, 11/8/14, 16/8/14, 23/8/14						
	From Ch:747.60m to 770.60m	Cum	1	23.00	(5.50+5.40)/2	3.05	382.32
	From Ch:770.60m to 800.60m		1	30.00	5.50	3.05	503.25
	From Ch:800.60 to 830.60m		1	30.00	(5.50+5.40)/2	(3.05+3.00)/2	494.58
	From Ch:830.60m to 842.60m		1	12.00	(5.40+5.55)/2	(3.00+2.95)/2	195.27
	From Ch:842.60m to 860.60m		1	18.00	5.00	(3.00+2.95)/2	267.75
	From Ch:860.60m to 890.60m		1	30.00	(5.55+5.45)/2	(2.95+3.05)/2	495.00
	From Ch:890.60m to 894.60m		1	4.00	(5.55+5.45)/2	(2.95+3.05)/2	66.00
	From Ch:894.60m to 906.70m		1	12.10	5.05	(3.05+3.00)/2	184.84
	From Ch:906.70m to 920.00m		1	13.30	(5.45+8.20)/2	(3.00+3.05)/2	274.85
	For Approach Slab 3rd Cross		1	7.50	6.50	(0.30+0.20)/2	12.19
	For Approach Slab 4th Cross		1	9.70	6.50	(0.30+0.20)/2	15.76
	For Approach Slab 5th Cross		1	5.00	7.50	(0.30+0.20)/2	9.37
	For Approach Slab 6th Cross		1	10.50	7.50	(0.30+0.20)/2	15.75
							2916.65
	Deduct existing drain		1	172.40	3.50	1.00	603.4
						Total Qty	2313.25

12/9/14

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ಪಲುಮ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
8	Providing and Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hard packing, ramming, watering, including cost of all materials and labour with lead upto 50m and lift of 1.5m complete as per specifications						
	Measurement Contd. on 28/7/2014, 4/8/2014, 12/8/2014, 13/9/2014						
	From Ch.747.60m to 770.60m	Cum	1	23.00	4.90	(0.25+0.32)/2	33.81
	From Ch.770.60m to 800.60m		1	30.00	4.90	(0.32+0.28)/2	44.10
	From Ch.800.60 to 830.60m		1	30.00	4.90	(0.28+0.32)/2	44.10
	From Ch.830.60m to 860.60m		1	30.00	(4.90+5.00)/2	(0.32+0.25)/2	44.55
	From Ch.860.60m to 890.60m		1	30.00	(5.00+4.95)/2	(0.25+0.32)/2	44.77
	From Ch.891.20m to 907.30m		1	16.10	(4.95+5.00)/2	(0.32+0.28)/2	24.02
	From Ch.906.70m to 920.00m		1	13.30	(4.95+7.80)/2	(0.28+0.32)/2	25.43
						Total Qty	260.78

AE (Civil) Y2
13/9/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ವೀರಣಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
9	Plain cement concrete M 10 with OPC cement @ 220 kgs w/m crushed 40m and down size graded grantie metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 cum in foundation mechanically mixed, placed in fouindation and compacted by vibration including curing for 14 days complete as per specifications						
	Measurement Contd on 28/7/2014, 4/8/2014, 13/8/14, 13/9/14						
	From Ch:747.60m to 770.60m	Cum	1	23.00	4.90	0.15	16.90
	From Ch:770.60m to 800.60m		1	30.00	4.90	0.15	22.05
	From Ch:800.60 to 830.60m		1	30.00	4.90	0.15	22.05
	From Ch:830.60m to 860.60m		1	30.00	(4.90+5.00)/2	0.15	22.24
	From Ch:860.60m to 890.60m		1	30.00	(5.00+4.95)/2	0.15	22.38
	From Ch:891.20m to 907.30m		1	16.10	(4.95+5.00)/2	0.15	12.01
	From Ch:905.70m to 920.00m		1	13.30	(4.95+7.80)/2	0.15	12.71
						Total Qty	130.37

13/9/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
15	Supplying, fixing and placing TMT bar reinforcement in sub-structure as per drawing and Technical Specifications complete as per specifications						

Sl.No	Item/Bar nor	Dia of bar	length in mtr	spacing	no of bars	total length	wt/m	total wt in Kgs	Remarks
a	From Ch:747.60m to 770.60m								
	Raft width-4.90m			Wall Height-1.70m				Length-23.00 m	
	1	16	6.40	175 c/c	132	844.80	1.58	1334.78	
	2	16	5.60	75 c/c	307	1719.20	1.58	2716.34	
	3&4	10	22.90	175 c/c	56	1282.40	0.62	795.09	2x28
	5	10	1.60	175 c/c	524	838.40	0.62	519.81	2x2x131
	6	16	3.35	175 c/c	262	877.70	1.58	1386.77	2x131
	7	16	5.35	175 c/c	262	1401.70	1.58	2214.69	2x131
	8&9	10	22.90	175 c/c	40	916.00	0.62	567.92	2x2x10
								9536.39	
b	From Ch:770.60m to 800.60m								
	Raft width-4.90m			Wall Height-1.70m				Length-30.00 m	
	1	16	6.40	175 c/c	171	1094.40	1.58	1729.15	
	2	16	5.60	75 c/c	400	2240.00	1.58	3539.20	
	3&4	10	29.90	175 c/c	56	1674.40	0.62	1038.13	2x28
	5	10	1.60	175 c/c	684	1094.40	0.62	678.53	2x2x171
	6	16	3.35	175 c/c	342	1145.70	1.58	1810.21	2x171
	7	16	5.35	175 c/c	342	1829.70	1.58	2890.93	2x171
	8&9	10	29.90	175 c/c	40	1196.00	0.62	741.52	2x2x10
								12427.66	
c	From Ch:800.60m to 830.60m								
	Raft width-4.90m			Wall Height-1.70m				Length-30.00 m	
	1	16	6.40	175 c/c	171	1094.40	1.58	1729.15	
	2	16	5.60	75 c/c	400	2240.00	1.58	3539.20	
	3&4	10	29.95	175 c/c	56	1677.20	0.62	1039.86	2x28
	5	10	1.60	175 c/c	684	1094.40	0.62	678.53	2x2x171
	6	16	3.35	175 c/c	342	1145.70	1.58	1810.21	2x171
	7	16	5.35	175 c/c	342	1829.70	1.58	2890.93	2x171
	8&9	10	29.95	175 c/c	40	1198.00	0.62	742.76	2x2x10
								12430.64	
d	From Ch:830.60m to 860.60m								
	Raft width-4.90m			Wall Height-1.70m				Length-30.00 m	
	1	16	6.40	175 c/c	171	1094.40	1.58	1729.15	
	2	16	5.60	75 c/c	400	2240.00	1.58	3539.20	
	3&4	10	29.95	175 c/c	56	1677.20	0.62	1039.86	2x28
	5	10	1.75	175 c/c	840	1470.00	0.62	894.40	2x2x170
	6	16	3.35	175 c/c	340	1139.00	1.58	1799.62	2x170
	7	16	5.35	175 c/c	340	1819.00	1.58	2874.02	2x170
	8&9	10	29.95	175 c/c	40	1198.00	0.62	742.76	2x2x10
								12419.92	
e	From Ch:860.60m to 890.60m								

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಮುನಿತ ನೀರಾವರಿ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ಪಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.	
	Raft width-4.90m			Wall Height-1.70m			Length-30.00m	
	1	16	5.40	175 c/c	171	1094.40	1.58	1728.15
	2	16	5.90	75 c/c	400	2240.00	1.58	3538.20
	3&4	10	29.85	175 c/c	56	1677.20	0.62	1039.86 2x28
	5	10	1.85	175 c/c	864	1126.80	0.62	896.73 2x2x171
	6	16	3.35	175 c/c	342	1145.70	1.58	1810.21 2x171
	7	16	5.35	175 c/c	342	1829.70	1.58	2890.93 2x171
	8&9	10	29.85	175 c/c	40	1194.00	0.62	742.74 2x2x10
								12451.84
f	From Ch:890.60m to 906.70m							
	Raft width-4.90m			Wall Height-1.70m			Length-16.10m	
	1	16	5.40	175 c/c	92	588.80	1.58	930.30
	2	16	5.90	75 c/c	215	1204.00	1.58	1902.32
	3&4	10	16.20	175 c/c	56	896.00	0.62	555.52 2x28
	5	10	1.75	175 c/c	363	844.20	0.62	398.28 2x2x92
	8	16	3.35	175 c/c	184	616.40	1.58	973.91 2x92
	7	16	5.35	175 c/c	184	984.40	1.58	1555.35 2x92
	8&9	10	16.20	175 c/c	40	648.00	0.62	398.82 2x2x10
								6713.49
g	From Ch:906.70m to 920.00m							
	Raft width-4.90+7.70+2.7			Wall Height-1.70~1.85+2m			Length-16.30 m	
	1	16	3.40	175 c/c	14	89.60	1.58	141.57
	1	16	3.70	175 c/c	15	100.50	1.58	158.79
	1	16	7.50	175 c/c	13	97.50	1.58	154.05
	1	16	9.50	175 c/c	15	127.50	1.58	201.45
	1	16	5.60	175 c/c	19	182.40	1.58	288.19
	2	16	5.60	75 c/c	34	190.40	1.58	300.83
	2	16	5.90	75 c/c	33	194.70	1.58	307.63
	2	16	3.70	75 c/c	36	241.20	1.58	381.10
	2	16	7.70	75 c/c	40	308.00	1.58	486.64
	2	16	9.62	75 c/c	35	309.00	1.58	486.64
	3&4	10	13.20	175 c/c	56	739.20	0.62	458.30 2x28
	3&4	10	8.10	175 c/c	20	162.00	0.62	100.44 2x10
	3&4	10	5.00	175 c/c	12	60.00	0.62	37.20 2x6
	5	10	1.75	175 c/c	292	511.00	0.62	316.82 2x2x73
	6	16	3.35	175 c/c	36	120.60	1.58	190.54 2x18
	6	16	3.40	175 c/c	36	122.40	1.58	193.39 2x18
	6	16	3.45	175 c/c	36	124.20	1.58	196.24 2x18
	6	16	3.60	175 c/c	44	158.40	1.58	250.27 2x22
	7	16	5.35	175 c/c	36	192.60	1.58	304.31 2x18
	7	16	5.40	175 c/c	36	194.40	1.58	307.15 2x18
	7	16	5.45	175 c/c	36	196.20	1.58	309.99 2x18
	7	16	5.60	175 c/c	44	246.40	1.58	389.31 2x22
	8&9	10	13.25	175 c/c	40	530.00	0.62	328.60 2x2x10
								6275.56
								72253.53 72.25 MT

Assistant Executive Engineer
Public Health Division,
Bangalore City Corporation

Executive Engineer
Public Health Division,
Bangalore City Corporation

Item No	Description	Unit	No.	L	B	D	Qty.
	Plain / Reinforced Cement concrete in open foundation with OPC cement design mix M35 @ 390 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.45 cum with superplastisiser @ 3lts confirming to IS 9103-1999 Reaffirmed-2010complete as per drawing and technical specification Case-I : With Batching Plant Transit Mixer and Concrete Pump						
	Measurement Contd on : 30/8/2014, 6/9/2014, 11/9/2014, 14/9/2014, 20/9/2014, 27/9/2014						
12	Raft	Cum					
	From Ch.747.60m to 770.60m		1	23.00	4.90	0.50	56.35
	From Ch.770.60m to 800.60m		1	30.00	4.90	0.50	73.50
	From Ch:800.60 to 830.60m		1	30.00	4.90	0.50	73.50
	From Ch:830.60m to 860.60m		1	30.00	4.90	0.50	73.50
	From Ch:860.60m to 890.60m		1	30.00	4.90	0.50	73.50
	From Ch:891.20m to 907.30m		1	16.10	4.90	0.50	39.45
	From Ch:906.79m to 920.00m		1	13.30	(4.90+7.70)/2	0.50	41.89
	Bottom Haunches		2	172.40	0.50x0.30	0.30	15.51
						Total Qty	447.20

17/9/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನಿರ್ಮಾಣಾಂಗ ಉಪ ವಿಭಾಗ,
ಯಶವಂತ ಪುರಂ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
13	Design mix M 35 with OPC cement @ 390kgs. with 20mm and down size graded granite metal coarse aggregates @ 0.68cum and fine aggregates @ 0.45 cum. with superp astisiser @ 3lts confirming to IS9103:1999 Reaffirmed 2008 ii) upto 5m height						
	Measurement Contd. on 5/8/2014, 12/8/2014, 26/8/2014, 4/9/2014						
	Walls	Cum					
	From Ch:747.60m to 770.60m		2	23.00	0.40	(1.50+1.70)/2	29.44
	From Ch:770.60m to 800.60m		2	30.00	0.40	1.70	40.80
	From Ch.800.60 to 830.60m		2	30.00	0.40	1.70	40.80
	From Ch.830.60m to 860.60m		2	30.00	0.40	1.70	40.80
	From Ch.860.60m to 890.60m		2	30.00	0.40	1.70	40.80
	From Ch:891.20m to 907.30m		2	16.10	0.40	1.70	21.90
	From Ch.906.70m to 920.00m		2	13.30	0.40	(1.70+1.85)/2	18.58
						Total Qty	233.42

15/9/2014

ಸಹಾಯಕ ಇಂಜಿನಿಯರ್ ಅಧಿಕಾರಿಯವರು
ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ಮಲಂಬಿ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	
16	Supplying, filling and placing TMT bar reinforcement in super-structure complete as per drawing specifications					
Sl.No	Item/Bar nor	Dia of bar	length in mtr	spacing	no of bars	total
a	From Ch:747.60m to 770.60m					
	Deck width - 4.50 m					
	10	16	5.00	75 c/c	287	
	11	16	6.40	175 c/c	124	
	12	10	22.90	175 c/c	19	
	13	10	22.90	175 c/c	19	
	12	10	21.70	175 c/c	7	
	13	10	21.70	175 c/c	7	
		16	2.5	75 c/c	20	
		16	1.4	75 c/c	20	
		16	3.25	150 c/c	10	
		16	2.15	150 c/c	10	
		16	1	75 c/c	2x20=40	
		10	3	150 c/c	14	
		12	1.7	150 c/c	2x10=20	
		12	1.2	150 c/c	2x11=22	
a	From Ch:770.60m to 794.60m					
	Deck width - 4.50 m					
	10	16	5	75 c/c	321	
	11	16	6.4	175 c/c	137	
	12	10	23.9	175 c/c	26	
	13	10	23.9	175 c/c	26	

PAT/SW/172
21/8/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಮುಖ್ಯ ಪಾರುಗಾಣಿಕೆ ಅಗ್ನಿ ಶಾಖೆ,
ಬೆಂಗಳೂರು ಪೊಲೀಸ್,
ಮುಖ್ಯ ಪೊಲೀಸ್ ಮಹಾನಿರ್ದೇಶಕರ ಕಛೇರಿ

Item No	Description	Unit	No.	L	B	D	Qty.
16	Supplying, fitting and placing TMT bar reinforcement in super-structure complete as per drawing and technical specifications complete as per specifications						

Sl.No	Item/Bar mor	Dia of bar	length in mtr	spacing	no of bars	total length	wt/m	total wt in Kgs	Remarks
a	From Ch:747.60m to 770.60m								
	Deck width - 4.50 m							Length - 23.00 m	
	10	16	5.00	75 c/c	287	1435.00	1.58	2267.30	
	11	16	6.40	175 c/c	124	793.60	1.58	1253.89	
	12	10	22.90	175 c/c	19	435.10	0.62	269.76	
	15	10	22.90	175 c/c	19	435.10	0.62	269.76	
	12	10	21.70	175 c/c	7	151.90	0.62	94.18	
	13	10	21.70	175 c/c	7	151.90	0.62	94.18	
		16	2.6	75 c/c	23	60	1.58	79.02	Bottom rods for desilt opening
		16	1.4	75 c/c	20	28	1.58	44.24	Bottom rods for desilt opening
		16	3.25	150 c/c	10	32.5	1.58	51.35	Top rods for desilt opening
		16	2.15	150 c/c	10	21.5	1.58	33.97	Top rods for desilt opening
		16	1	75 c/c	2x20=40	40	1.58	63.2	Extra rods
		10	3	150 c/c	14	42	0.62	26.04	Links
		12	1.7	150 c/c	2x10=20	34	0.89	30.26	Top cover slab
		12	1.2	150 c/c	2x11=22	26.4	0.89	23.50	Distribute rods for cover slab
								4600.62	
a	From Ch:770.60m to 794.60m								
	Deck width - 4.60 m							Length - 24.00 m	
	10	16	5	75 c/c	321	1605	1.58	2535.9	
	11	16	5.4	175 c/c	137	676.8	1.58	1365.344	
	12	10	23.9	175 c/c	26	621.4	0.62	385.268	
	3	10	23.9	175 c/c	26	621.4	0.62	385.268	
								4691.78	

PE Sub/72
7/8/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಸೇತುವೆ ನಿರ್ಮಾಣಾಂಶ ಉಪ ವಿಭಾಗ,
ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ,
ಸೇತುವೆ ವಿಭಾಗ, ಮಡಿಕೇರಿ ಮಡಿಕೇರಿಯವರಿಗೆ

Item No	Description	Unit	No.	L	B	D	Qty		
b	From Ch 784.50m to 818.63m								
	Deck width - 4.50 m							Length - 24.00 m	
	10	16		5.75 c/c	30	1500	1.58	2370.00	
	11	16	6.4	175 c/c	133	832	1.58	1314.56	
	12	10	23.95	175 c/c	9	455.05	0.62	282.131	
	13	10	23.95	175 c/c	19	455.05	0.62	282.131	
	12	10	22.75	175 c/c	7	159.25	0.62	98.735	
	13	10	22.75	175 c/c	7	159.25	0.62	98.735	
		16	2.5	75 c/c	22	50	1.58	79	Bottom rods for desilt opening
		16	1.4	75 c/c	22	28	1.58	44.24	Bottom rods for desilt opening
		16	3.25	150 c/c	10	32.5	1.58	51.35	Top rods for desilt opening
		16	2.15	150 c/c	10	21.5	1.58	33.97	Top rods for desilt opening
		16	1	75 c/c	2x20=40	40	1.58	63.2	Extra rods
		10	3	150 c/c	14	42	0.62	26.04	Links
		12	1.7	150 c/c	2x10=20	34	0.89	30.26	for cover slab
		12	1.2	150 c/c	2x11=22	25.4	0.89	23.436	Distribution rods for cover slab
								4797.85	
c	From Ch.818.50m to 842.50m								
	Deck width - 4.50 m							Length - 24.00 m	
	10	16	6.50	75 c/c	301	1805.00	1.58	2377.90	
	11	16	3.40	175 c/c	129	826.30	1.58	1304.45	
	12	10	23.95	175 c/c	19	455.05	0.62	282.13	
	13	10	23.95	175 c/c	19	455.05	0.62	282.13	
	12	10	22.75	175 c/c	7	159.25	0.62	98.74	
	13	10	22.75	175 c/c	7	159.25	0.62	98.74	
		16	2.5	75 c/c	20	50	1.58	79	Bottom rods for desilt opening
		16	1.4	75 c/c	20	28	1.58	44.24	Bottom rods for desilt opening
		16	3.25	150 c/c	10	32.5	1.58	51.35	Top rods for desilt opening
		16	2.15	150 c/c	10	21.5	1.58	33.97	Top rods for desilt opening
		16	1	75 c/c	2x20=40	40	1.58	63.2	Extra rods
		10	3	150 c/c	14	42	0.62	26.04	Links
		12	1.7	150 c/c	2x10=20	34	0.89	30.26	for cover slab

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರಾವರಿ ಯೋಜನೆ ಉಪ ವಿಭಾಗ,

Item No	Description	Unit	No.	L	B	D	Qty.		
		12		1.2 150 c/c	2x11=22	25.4	0.89	23.436	Deduct dia 12 rods for cover slab
								4795.64	
d	From Ch: 842.60m to 861.20m								
	Deck width : 4.50 m							Length : 18.60 m	
	10	16	5.60	75 c/c	248	1240.00	1.58	1959.29	
	11	16	6.40	175 c/c	107	684.80	1.58	1081.58	
	12	10	18.60	175 c/c	28	481.00	0.62	298.22	
	13	10	18.60	175 c/c	28	481.00	0.62	298.22	
								3637.92	
e	From Ch: 861.20m to 881.70m								
	Deck width : 4.50 m							Length : 20.50 m	
	10	16	5.00	75 c/c	254	1270.00	1.58	2006.60	
	11	16	6.40	175 c/c	112	704.00	1.58	1112.32	
	12	10	20.40	175 c/c	16	367.60	0.62	240.31	
	13	10	20.40	175 c/c	16	367.60	0.62	240.31	
	12	10	19.20	175 c/c	7	134.40	0.62	83.33	
	13	10	19.20	175 c/c	7	134.40	0.62	83.33	
		16	2.5	75 c/c	20	50	1.58	79	Sector rods for desilt openings
		16	1.4	75 c/c	20	28	1.58	44.24	Sector rods for desilt opening
		16	3.25	150 c/c	10	32.5	1.58	51.35	Top rods for desilt opening
		16	2.15	150 c/c	10	21.5	1.58	33.97	Top rods for desilt opening
		16	1	75 c/c	2x20=40	40	1.58	63.2	Ext rods
		10	3	150 c/c	14	42	0.62	26.04	Links
		12	1.7	150 c/c	2x10=20	34	0.89	30.26	Top cover slab
		12	1.2	150 c/c	2x11=22	25.4	0.89	23.436	Deduct dia 12 rods for cover slab
								4117.76	

12/9/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.		
f	From Ch:881.70m to 906.70m								
	Deck width - 4.50 m							Length - 25.00 m	
	10	16	5.00	75 c/c	314	1573.00	1.58	2430.60	
	11	16	6.40	175 c/c	135	864.00	1.58	1365.12	
	12	16	24.95	175 c/c	19	474.05	0.62	293.91	
	13	16	24.95	175 c/c	19	474.05	0.62	293.91	
	12	16	23.80	175 c/c	7	166.60	0.62	103.29	
	13	16	23.80	175 c/c	7	166.60	0.62	103.29	
		16	2.5	75 c/c	20	50	1.58	79	Bottom rods for desilt opening
		16	1.4	75 c/c	20	28	1.58	44.24	Bottom rods for desilt opening
		16	3.25	150 c/c	10	32.5	1.58	51.35	Top rods for desilt opening
		16	2.15	150 c/c	10	21.5	1.58	33.97	Top rods for desilt opening
		16	1	75 c/c	2x20=40	40	1.58	63.2	Extra rods
		10	3	150 c/c	14	42	0.62	26.04	Links
		12	17	150 c/c	2x10=20	34	0.89	30.26	Bent up rods for cover slab
		12	1.2	150 c/c	2x11=22	26.4	0.89	23.496	Bent up rods for cover slab
								4991.68	

AE(HQ)/Y2
20/9/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.		
9	From Ch 906.70m to 920.00m								
	Deck slab : 14.60 +7.30/2m							Length	13.30 m
		10	13	5.00	75 c/c	36	180.00	1.58	284.40
		10	13	5.70	75 c/c	36	189.52	1.58	315.21
		10	18	6.80	75 c/c	34	231.20	1.58	366.30
		10	18	7.30	75 c/c	38	277.40	1.58	438.29
		10	15	7.80	75 c/c	15	117.00	1.58	184.86
		11	18	6.40	175 c/c	15	96.00	1.58	151.68
		11	18	7.10	175 c/c	15	106.50	1.58	168.27
		11	18	6.20	175 c/c	14	114.80	1.58	181.38
		11	18	6.70	175 c/c	16	139.20	1.58	215.94
		11	16	9.20	175 c/c	6	55.20	1.58	87.22
		12	10	12.80	175 c/c	21	284.80	0.62	164.05
		12	10	12.80	175 c/c	7	88.20	0.62	54.68
		12	10	8.10	175 c/c	10	81.00	0.62	50.22
		12	10	5.30	175 c/c	6	30.00	0.62	18.62
		13	10	13.20	175 c/c	21	277.20	0.62	171.86
		13	10	13.20	175 c/c	7	92.40	0.62	57.29
		13	10	8.10	175 c/c	10	81.20	0.62	50.22
		13	10	5.30	175 c/c	6	30.00	0.62	18.62
		16	25	75 c/c	20	50	1.58		Bottom rods for desilt opening
		16	14	75 c/c	20	28	1.58	44.24	Bottom rods for desilt opening
		16	3.25	150 c/c	10	32.5	1.58	51.32	Top rods for desilt opening
		16	2.15	150 c/c	10	21.5	1.58	33.97	Top rods for desilt opening
		16	1	75 c/c	2x20=40	40	1.58	63.2	Extra rods
		10	3	150 c/c	14	42	0.62	26.04	Links
		12	17	150 c/c	2x10=20	34	0.89	30.26	for cover slab
		12	12	150 c/c	2x11=22	26.4	0.89	23.496	Distribution rods for cover slab
								3333.63	
								34556.58	34.556 MT

Attended 1/10/2014

ನಮಾನ್ಯ ಉಪವಿಭಾಗಾಧಿಕಾರಿಗಳು
ಸುಳ್ಯ ಇವರಿಗಾಗಿ ಇವರ ಪರವಾಗಿ,
ಪಡೆದವರ ಪರವಾಗಿ,
ಸುಳ್ಯ ಪೌರಾಡಳಿತ ಸಹಾಯಕರು

Item No	Description	Unit	No.	L	B	D	Qty
14	Furnishing and Placing Reinforced / Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications D RCC/PSC with OPC cement design mix M25 @ 390kgs with 20mm and down size graded granite metal coarse aggregates @ 0.68cum and fine aggregates @ 0.45cum, with superplasticiser @ 3lts confirming to IS9103-1999 Resiformes-2008 Case-I Using Batching plant, Transit mixer &						
	Measurement Contd on 7/8/2014, 19/8/2014, 28/8/2014, 12/9/2014, 30/9/2014						
		Cum					
	Deck slab						
	From Ch 747.60m to 770.60m		1	23.00	4.50	0.45	46.58
	From Ch.770.60m to 794.60m		1	24.00	4.50	0.45	48.60
	From Ch 795.20m to 819.20m		1	24.00	4.50	0.45	48.60
	From Ch 818.60m to 842.60m		1	24.00	4.50	0.45	48.60
	From Ch.842.60m to 861.20m		1	18.60	(4.50+4.65)/2	0.45	41.54
	From Ch 861.20m to 881.70m		1	20.50	4.50	0.45	41.51
	From Ch:881.70m to 906.70m		1	25.00	4.50	0.45	50.63
	From Ch.906.70m to 920.00m		1	13.30	(4.50+7.30)/2	0.45	35.34
	Tee haunches		2	472.40	0.50x0.50	0.30	19.54
	Cover slabs		12	1.50	0.60	0.25	2.70
						Total Qty	378.32
	Deduct for openings		6	1.20	1.20	0.25	1.73
	Openings		6	1.50	1.20	0.25	2.70
							4.43
						Net Qty	373.89

Credit to Work

Asst Engr 1/2
1/10/2014

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರಾವರಿ ಉಪ ವಿಭಾಗ,
ಯಾದಗಿರಿ ಜಿಲ್ಲೆ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
7c	Providing 110mm dia PVC pipes 5 KSC; with porous plug in 1:4 with aggregate of size 10mm to 3mm including geotextile fabric cover in plain concrete / reinforced concrete including cost and conveyance of all materials, labour, lead and lift etc. complete and as directed by the Engineer.						
	Measurement Contd. on 4/8/2014, 12/8/2014, 4/9/2014						
	From Ch 747.60m to 770.60m (L/S);	Nos	45	0.50			22.50
	From From Ch 747.60m to 770.60m (R/S);		43	0.50			21.50
	From Ch. 770.60m to 800.60m (L/S)		60	0.50			30.00
	From Ch 770.60m to 800.60m (R/S)		57	0.50			28.50
	From Ch. 800.60m to 830.60m (L/S)		58	0.50			29.00
	From Ch 800.60m to 830.60m (R/S)		55	0.50			27.50
	From Ch:830.60m to 860.60m (L/S)		53	0.50			26.50
	From Ch 830.60m to 860.60m (R/S)		57	0.50			28.50
	From Ch:860.60m to 890.60m (L/S)		59	0.50			29.50
	From Ch 860.60m to 890.60m (R/S)		45	0.50			22.50
	From Ch:890.60m to 906.70m (L/S)		48	0.50			24.00
	From Ch 890.60m to 906.70m (R/S)		42	0.50			21.00
	From Ch:906.70m to 920.00m (L/S)		45	0.50			22.50
	From Ch 906.70m to 920.00m (R/S)		29	0.50			14.50
						Total Qty.	348.00

15/9/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ದೊಡ್ಡಬಂಕ ಬಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty
	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials within a lead of 100 mtrs including cost of all labour charges complete as per specifications						
	Measurement Conto on : 23/9/2014						
57	3rd Cross Tata Nagar		1	8.50	6.50		42.25
	4th Cross Tata Nagar		1	6.70	6.50		43.55
	5th Cross Tata Nagar		1	5.00	7.50		37.50
	6th Cross, Tata Nagar		1	8.50	7.50		63.75
		Sqm				Total Qty	187.05
	Scarifying stone metal crust 50mm to 100mm thick with pick axes along with premix carpet / surface dressing and stacking of old serviceable materials within a lead of 100 metres by manual means including cost of all labour charges complete as per specifications.						
	Measurement Conto on : 24/9/2014						
58	3rd Cross Tata Nagar		1	8.50	6.50		42.25
	4th Cross Tata Nagar		1	6.70	6.50		43.55
	5th Cross Tata Nagar		1	5.00	7.50		37.50
	6th Cross, Tata Nagar		1	8.50	7.50		63.75
		Sqm				Total Qty	187.05

AEE/JWD/Y2
24/9/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
	Construction of embankment with approved materia: Gravel/Murrum with all lifts and leads transporting to site spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications which includes cost of gravel/murrum watering						
	Measurement Comp.on : 24/2/2014						
SS	3rd Cross Tata Nagar		1	7.50	6.50	(0.20+0.30)/2	12.18
	4th Cross, Tata Nagar		1	9.70	6.50	(0.20+0.30)/2	15.76
	5th Cross, Tata Nagar		1	5.00	7.50	(0.20+0.30)/2	9.38
	6th Cross, Tata Nagar		1	10.50	7.50	(0.20+0.30)/2	19.68
		Cum				Total Qty	56.99

AEE/ACC/AD/Y2
24/2/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
60	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up the interstices of coarse aggregate, watering and compacting to the required density complete as per specification A by						
	Measurement Contd. on						
	3rd Cross, Tata Nagar		1	7.50	6.50	0.15	7.31
	4th Cross, Tata Nagar		1	9.70	6.50	0.15	9.45
	5th Cross, Tata Nagar		1	5.00	7.50	0.15	5.63
	6th Cross, Tata Nagar		1	10.50	7.50	0.15	11.81
		Cum				Total Qty	34.21

26/9/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
5'	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and grooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density complete as per specification A by						
	3rd Cross, Tata Nagar		1	7.50	6.50	0.1	4.88
	4th Cross, Tata Nagar		1	8.70	6.50	0.1	5.31
	5th Cross, Tata Nagar		1	5.00	7.50	0.1	3.75
	8th Cross, Tata Nagar		1	10.50	7.50	0.1	7.88
		Cum				Total Qty	22.81

AE(WD)/72
27/9/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
	PCC M15 Grade leveling course below approach slab concrete as per drawings and technical specifications complete as per specifications						
	Measurement Contd...on : 29/9/2014						
38	3rd Cross Tata Nagar		1	7.50	6.50	0.15	7.31
	4th Cross Tata Nagar		1	9.70	6.50	0.15	9.46
	5th Cross Tata Nagar		1	5.00	7.60	0.15	5.63
	6th Cross, Tata Nagar		1	10.50	7.50	0.15	11.81
		Cum				Total Qty	34.21

Chkd AEE(Civil)/42
29/9/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರುಗಾಲುವೆ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ಪಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
46	Reinforced cement concrete M30 approach slab including reinforcement and form work complete as per drawings and technical specifications complete as per specifications						
	Measurement Contd. on 01/10/2014						
	3rd Cross, Tata Nagar		1	7.50	6.50	(0.30+0.20)/2	12.19
	4th Cross, Tata Nagar		1	9.70	6.50	(0.30+0.20)/2	15.76
	5th Cross, Tata Nagar		1	5.00	7.50	(0.30+0.20)/2	9.37
	6th Cross, Tata Nagar		1	10.30	7.50	(0.30+0.20)/2	19.69
		Cum				Total Qty	56.99

AEE(W&D)/Y2
01/10/2014

Kumar
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಪಶ್ಚಿಮ ವಲಯ.
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
20	Collecting, conveying and disposal of surplus / excavated earth to designated dumping site (15.00 kms) as directed by the Engineer in charge.						
	Measurement Contd. on 25/10/2014						
	Total quantity excavated (I No - 2 - 50%of I No - 6a)	Cum			(421.77 + 1156.62) = 1578.39		1578.39
	Quantity of Dismantling (I No - 2 - 50%)				131.35 × 80%		105.08
						Total Qty	1683.47

AEE/SWD/72
31/10/2014

ಸಹಾಯಕ ಅಭಿಯಂತರರು ಆಫೀಸರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ
ಯಲಹಂಕ ವಲಯ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

Item No	Description	Unit	No.	L	B	D	Qty.
E 2	11mtrs spun pole	No	8				8
E 3	Stucture Material	Set	3				3
E 4	RCC Pole	No	13				13
E 5	11kV Horizontal X arms	Set	20				20
E 6	4cm X arms	Set	13				13
E 7	2cm X arms	Set	13				13
E 8	45KN Disc Insulator	No	12				12
E 9	8KV Stay Fittings	No	30				30
E 10	11 KV Pin Ins	No	65				65
E 11	G O S 200A Single break	No	2				2
E 12	Earthning	Set	10				10
E 13	G1 wire 8S wg	Kgs	100				100
E 14	GUY wire 8S wg	Kgs	100				100
E 15	Bchscusk	Kgs	100				100
E 16	Coyote Acsr	Mtrs	180				180
E 17	Rabbit ACSR Conductor	Mtrs	600				600
E 18	Concreting	Each	8				8
E 19	PG clamps c/s	No	50				50
E 20	PG clamps cr	No	50				50
E 21	RCC pole	Nos	(10*0.90)				(10*0.90)
E 22	11mtr Spun Pole	Nos	(05*0.90)				(05*0.90)
E 23	2cm X arms	Set	(10*0.90)				(10*0.90)
E 24	4cm X arms	Set	(10*0.90)				(10*0.90)
E 25	Rabbit ACSR Conductor	Mtrs	(1825*0.90)				(1825*0.90)
E 26	Coyote ACSR	Mtr	(1095*0.90)				(1095*0.90)
E 27	2X250 KVA DTC	No	(2*0.90)				(2*0.90)
E 28	Stucture Material	Set	(2*0.90)				(2*0.90)
E 29	11KV Horizantal X	Set	(10*0.90)				(10*0.90)

For the Above work Bill has been prepared in the MB No 856/13-14 Page No 85539 to 85551

16/7/2014
Assistant Engineer
SWD, Yelahanka Zone
BBMP, Bangalore

Asst.Executive Engineer
SWD,Yelahanka Zone
BBMP, Bangalore